BRUHATH BANGALORE MAHANAGARA PALIKE
ELECTRICAL DIVISION DASARAHALLI ZONE

Name of the Work : Replacement of Burntout UG Cable,Panels boards and its accessories coming under Dasarahalli Zone Parks Ward 15,16,17,18,19,20.

			Estimate no...	Amount Rs.		10,00,000/-	
Sl.No.		Page no.	Description	Unit	Qty	Rate	Amount
1	46	11.8.2	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>1301m/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned 11.8.2 LED Streetlight 40W	No	41	4024.00	164984
2		CSR/11/4.2.1	Fabricating, supplying and erection of ... ms long hot dip Galvanized Octagonal hot dip Pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/s for .....m Pole in single section and single joint welded as per IS 9595/IS10178AWS aving dimensions bottom ..... mm , top.... mm with 3 mm hick, suitable base plate and 4Nos of ..... long J bolts along with template and the Pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.3 m - Top 70 mm and Bottom 130 mm dia	Each	41	6300	258300
3		4.6.1	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc., complete Single Arm Bracket with 1000 mm Standard 40/50 mm dia	Each	41	1700	69700

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4		13.6	Fixing charges of post top/ Gate/ Garden fitting /LED on the existing CI/ GI or any other pipe using required size of reducer, wiring using suitable wires.	Each	41	198	
5	21	5.47	Supplying and fixing Microprocessor based Electronic timer (without contactor, Din Mounting using necessary bolts, nuts and washers etc.,) 5-120sec setting.	Each	2	2315	4630
6	17	5.18.9	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 A TPN	Each	2	3088	6176
7	17	5.18.4	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 6-32 A DP	Each	4	739	2956
8	16	5.14.6	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 4/95/100 A	Each	2	16606	33212
9	20	5.42.2	Fabricatingsupplyingandmounting MSboxmadeout.....SWGs uitablefortfloor/wallmounting,fullyweatherproofwithprovisi onforbetterheatdissipation,providedwithhingedfrontcover,e quippedwithtamperprooflockingarrangements,withsuitables izeclampswithnecessarycableentrypipewithglandandboxsho uldbefinishedwith7tankstreatmentwithpowdercoatedpainta nd finally finished with approved colour etc., complete 5.42.2) 16 SWG	cm2	80500	0.43	34615
10	9	3.9	Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N. F. screws	cm2	20000	0.35	7000
11	20	5.41.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm	Mtr	5	305	1525
12	20	CSR/20/ 5.40.1	Supplying ..... A rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete 100 A 4 x 30 x 6 mm Aluminium Strips	Mtrs	4	2465.00	9860
13	26	59.01	Heavy Duty Copper Terminal Long Barrel 25 Sqmm Copper Terminal, Apprx Wt: 11 Gm	Nos	15	27.0	405
14		371/48.01	1.1 kV Class HR (Heat Resistant) PVC Insulated & Sheathed Aluminium Single Core Lead wires as per IS-694: 2010 PVC Wire - 2.5 SqmmWeight per 100 Mtr Coil: 1.8 Kg	COIL	2	1484	2968
15	19	5.38	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440VAC. 50 Hz 12/24V D.C.	Each	6	515	3090

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		392/51.04	Rod type of earthing using 40 mm Dia, 3 Mtr long MS rod as ground rod, in earth pit of 300 mm width and 3300 mm depth and using 50x6 mm flat welded to ground rod as terminal & connected to equipment ground terminal using PVC Al wire as specified	NO Nos	2	2172.00	4344
	8	CSR-2021-22/8/201/29.02	Earth work excavation for cable trench of 0.5 to 0.75 Mtr. Width and Depth upto 1 Mtr including trial pits, depositing on bank upto a lead of 50 Mtr, Supplying and Displaying necessary Danger Boards and Lighting, Using sight Rails and Sign Boards at every 100 Mtr wherever necessary as directed In Ordinary Soil	m^3 CUBIC METER	201	260	52260
8	13	201/32.05	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 16 Sqmm, 4 Core, (11 GI Strips - 4 x 0.8 mm)	KM Km	0.56	141842	79431.52
19	52	21.05	Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staf 2.5 to 25 Sqmm	KM Km	0.56	20886	11696.16
20	9	CSR-2021-22/9/249/33.09	KSRB 4-1.6: Providing and Laying in position plain cement cocrente of mix 1:2:4 with Cement @ 240 Kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 CMT and fine aggregtes @ 0.459 CMT machine mixed concrete laid in layers not exceeding 15 cm. thick well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. SPECIFICATION No. KBS 4.1, 4.2	m^3 CUBIC METER	10	6096	60960
21	30	537/66.05	Optical Fibre Cable (OFC) and its Accessories HDPE/PLB Pipe 40/33 mm	KM Km	0.500	62336	31168
			SUB Total				847398.68
			GST @18%				152531.76
			miscellaneous charges		L/S		69.56
			Grand total				1000000.00

CERTIFICATE:

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds
3. The Estimate is based on PWD Ele SR 2-23-24, R 2023-24 and KPWD(Civil) Common SR-2021-22

Common S.

AE/ Jr. Engineer (Ele)

Asst.Exe. Engineer (Ele)
Dasarahalli Division

Executive Engineer (Ele)
Dasarahalli Division

ಸಂ.01 ಕಾ.ಅ.(ವಿ):ದಾಮ:..... 2023 2024
ದಿನಾಂಕ 04.01.2024 ರೂ.10.00ಲಕ್ಷ ಅಕ್ಷರಗಳಲ್ಲಿ
ಹತ್ತು ಲಕ್ಷ ರೂಪಾಯಿ ಮಾತ್ರ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದ್ದು,
ಪಟ್ಟಿ ಸಂಖ್ಯೆ 43 ಕ್ರಮಸಂಖ್ಯೆ 01
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ವಿ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಸಂಖ್ಯೆ. ಬೃ.ಬೆಂ.ಮ.ಪಾ : ದಾ.ವ : ತಾಂತ್ರಿಕ :01 / 2023 - 2024
ದಿನಾಂಕ:.04.01.2024 ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ರೂ..10.00ಲಕ್ಷ...
ಅಕ್ಷರಗಳಲ್ಲಿ ..ಹತ್ತು...ಲಕ್ಷ..ರೂ..ಪಾಯಿ..ಮಾತ್ರ.....
ಗಳಿಗೆ ಮಾತ್ರ 2023 - 2024 ನೇ ಸಾಲಿನ ದರಗಳ ಪಟ್ಟಿಯಂತೆ ತಾಂತ್ರಿಕ
ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು-57.

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